

ABSTRACT

1
2 An exemplary system includes a data encoder generating a base layer
3 bitstream encoded at a base bit-rate, and a plurality of enhancement layer
4 bitstreams encoded at different enhancement layer bit-rates, and a bitstream
5 selection module selecting one of the enhancement layer bitstreams every video
6 frame based on available channel bandwidth. A method includes transmitting a
7 first enhancement layer bitstream encoded at a first bit-rate, detecting a transition
8 in network bandwidth through a switching bit-rate, and transmitting a second
9 enhancement layer bitstream encoded at a second bit-rate based on the transition in
10 network bandwidth.
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25